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Hitchcock, Edward, 1793-1864.

A catalogue of plants growing without  
cultivation in the vicinity of Amherst  
College...

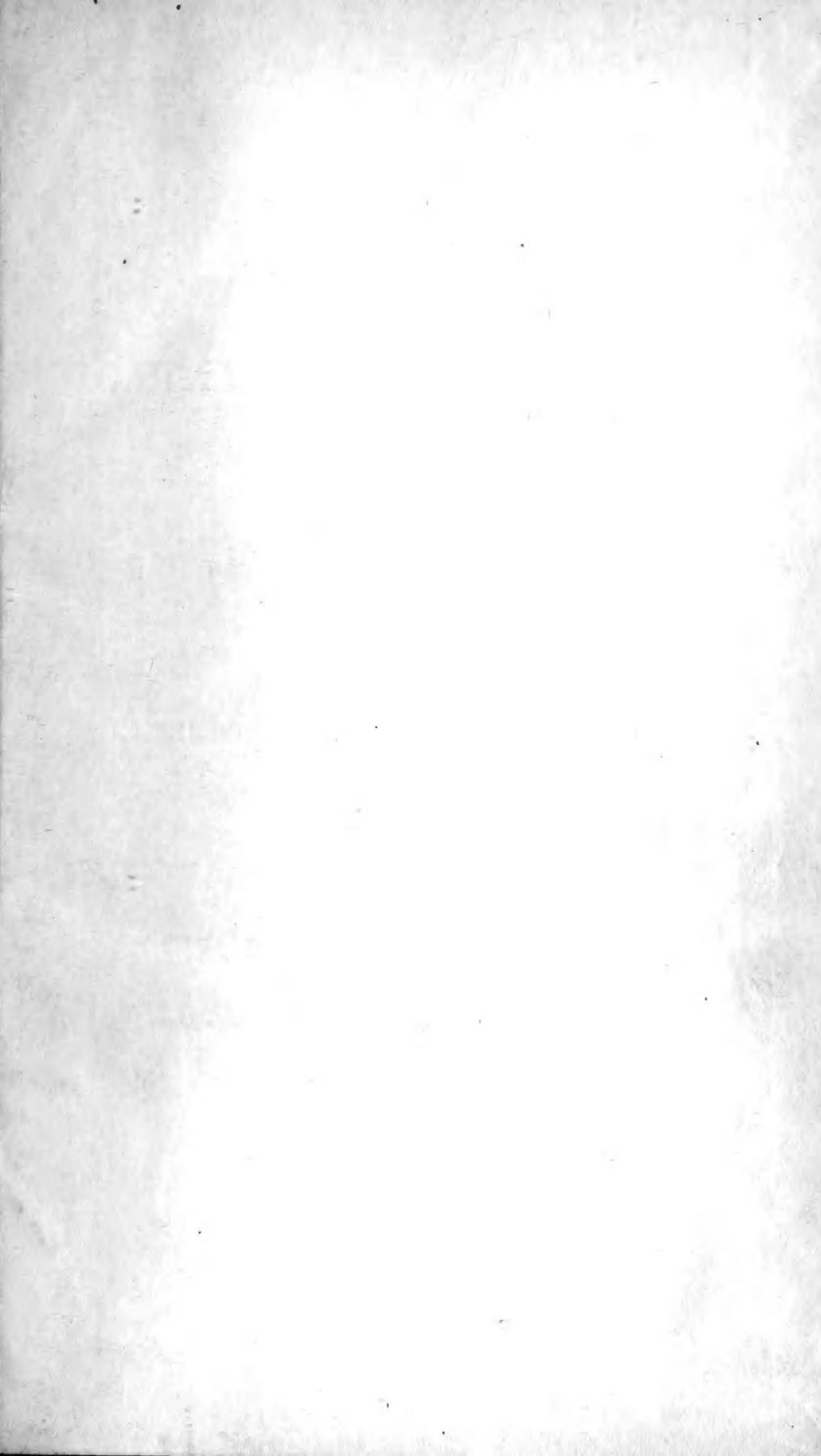


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Hitchcock  
Catalogue  
of Plants growing in  
Amherst Coll.









*T. J. Allen*



# CATALOGUE OF PLANTS

GROWING WITHOUT CULTIVATION

IN THE VICINITY OF AMHERST COLLEGE.

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BY EDWARD HITCHCOCK,

*Professor of Chemistry and Natural History in Amherst College.*

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PUBLISHED BY THE JUNIOR CLASS IN THAT INSTITUTION.

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AMHERST:

J. S. AND C. ADAMS, AND CO.....PRINTERS.

1829.

+QK 125  
H57

Amherst College, July 1, 1829.

To PROF. E. HITCHCOCK,

Respected Sir,—Understanding that you have prepared in manuscript a catalogue of the plants, which are found in the vicinity of this place, the members of the Junior class, now attending your lectures on the subject of botany, in the belief that their knowledge of the science, and the interest of their botanical tours, may be increased by the possession of such a work, request your consent to the favour of its publication.

*Yours with respect,*

Samuel G. Appleton, William Arms, Abijah R. Baker, Mark Carpenter, Alvan W. Chapman, Samuel W. Clark, Henry H. Coolidge, Charles C. Corss, George Eastman, Henry E. Eastman, Ephraim Fobes, Thomas L. Furber, Horatio B. Hackett, Job Hall, David A. Hayes, Israel Hills, George L. Holmes, H. Augustus Homes, Daniel M. Lord, Charles Maxwell, James L. Merrick, Stephen C. Millet, Ephraim R. Nelson, M.H. Niles, James Parsons, Ezekiel Y. Peck, Oliver P. Powers, Thomas R. Rawson, B. Schneider, Gideon E. Searl, M. Parsons Stickney, Abner Taylor, Abijah R. Thayer, W. S. Tyler, Almond Underwood, Lawrence H. Van Dyck, John Wade, Jr. Francis Warriner, Reed Wilkinson, Bradford D. Willis.



## PREFATORY.

THIS Catalogue embraces all the indigenous and naturalized plants, that have been discovered and ascertained, within forty or fifty miles of Amherst College. To these I have added such as are peculiar to the White Mountains and the sea coast of New England; so that if the young gentlemen, whose disposition to promote the interests of science appears so favourably in the publication of this catalogue, shall hereafter be located in any part of the northern section of the United States, they may have a pretty complete list of the plants growing in their vicinity. The particular uses of such a Catalogue as this, are, first, to facilitate the student's examination of plants, by pointing him to those species which he may expect to find in his district, and whose descriptions, therefore, he may select in the Floras, Compendiums, and Manuals of American plants: secondly, it presents him at once with an authority for each specimen, with the most important synonyms; and thus saves him the very great labour of comparing together the descriptions given by different writers: a work which severely tasks the powers of the most accomplished botanist. Thirdly, in the case of rare plants, it points the student to the particular places in this vicinity where he may find them. And finally, it may serve as a very convenient index to an Herbarium; since, for this purpose, it is only necessary to mark with a pencil, against the name of a plant in the Catalogue, the page of the Herbarium where a specimen of it is placed.

It is not less than twelve years since an examination of the plants of this vicinity was begun. Among my early coadjutors in this work, I cannot omit to mention Prof. Stephen W. Williams of Deerfield, and Dr. Dennis Cooley, formerly of the same place. The herbarium of the latter, collected and arranged with great industry, contains nearly all the plants hitherto found in this district. I am also indebted to several gentlemen of distinguished ability, for much assistance in the determination of species: particularly to Rev. Chester Dewey, Principal of the Gymnasium in Pittsfield, in the difficult genus *Carex*: to Prof. Lewis C. Beck of Albany, in the Filices and Musci: and to Prof. John Torrey of New York, in almost every part of the subject, especially the Grasses and the Class Cryptogamia.

Exclusive of the plants peculiar to the White Hills and the sea coast, and a few others mentioned on account of their being rare and interesting, this Catalogue contains **FIVE HUNDRED AND THIRTY ONE GENERA, AND FOURTEEN HUNDRED AND FORTY SEVEN SPECIES**, which occur within fifty miles of Amherst. Of these, *one Hundred and Thirty Six Genera*, and *Four Hundred and Fifty Species*, belong to the Class Cryptogamia. Of course, the phenogamous plants amount to *Three Hundred and Ninety Five Genera, and Nine Hundred and Ninety Seven Species*. Undoubtedly many more remain to be discovered in this district, which appears to be unusually rich in vegetable productions, for this latitude. Indeed, every week's delay in the printing of this catalogue, has added to the number of species it contains. In the class Cryptogamia, especially, it cannot be doubted, that with proper skill in this difficult department of botany, ample leisure, and the requisite works, (so difficult to be obtained in this country) the number of species might be greatly increased, if not doubled. - Probably too, some corrections in this part of the Catalogue would thus be made: since the species in this class cannot be considered, in general, so well established as those of the other classes.

Amherst, August 1, 1829.

## ABBREVIATIONS.

? Indicates a doubt as to the species.

§ Prefixed to those plants that have been introduced or naturalized.

### *Names of Botanical writers.*

Ait.	for Aiton.
Brid.	— Bridel.
Big.	— Bigelow.
R. Br.	— R. Brown.
Bull.	— Bullard.
De.Cand.	— Decandolle.
Dicks.	— Dickson.
Dill.	— Dillenius.
Ehrh.	— Ehrhart.
Ell.	— Elliott.
Fr.	— Fries.
Hall.	— Haller.
Hedw.	— Hedwig.
l'Herit.	— l'Heritier.
Hook.	— Hooker.
Hoffm.	— Hoffman.
Jacq.	— Jacquin.
Lamb.	— Lambert.
L.	— Linnaeus.
Lmk.	— Lamarck.
Mx.	— Michaux.
Mx. f.	— Michaux filius.
Muhl.	— Muhlenberg.
Nutt.	— Nuttall.
P. de B.	— Palisot de Beauvois.
Pers.	— Persoon.
Ph.	— Pursh.
Salis.	— Salisbury.
Schaeff.	— Schaeffer.
Schk.	— Schkuhr.
Schrad.	— Schrader.
Schreb.	— Schreber.
Schw.	— Schweinitz.
Sibth.	— Sibthorp.
Sm.	— Smith.
Spreng.	— Sprengel.
Sw.	— Swartz.
Tor.	— Torrey.
Tourn.	— Tournefort.
Vent.	— Ventenat.
Walt.	— Walter.
Wang.	— Wangenheim.
Web. & M.	— Weber & Mohr.
W.	— Willdenow.

# CATALOGUE.

## PART I.

### PHENOGAMOUS PLANTS.

A.

1 Acalypha L. *Euphorbiaceae* — *way*

1 virginica L. *Three seeded Mercury.*

2. Acer L. X

1 dasycarpum Ehrh. *Silver Maple.*

2 pennsylvanicum L. *Striped Maple.*

3 rubrum L. *Red Maple.*

4 saccharinum L. *Sugar Maple, Rock Maple.*

5 spicatum Lmk. *montanum. Ait. Mountain Maple Bush.*

3. Acnida L.

1 cannabina L. N. Haven. *Water Hemp.*

4 Acorus L.

1 calamus L. *Calamus, Sweet Flag.*

5 Actaea L.

1 americana Ph. *Baneberry.*

2 alba Ph.

3 rubra Ph.

6 Agrimonia L.

1 eupatoria L. *Agrimony.*

7 Agropyron Gaertner.

1 repens Palisot de Beauvois. *Triticum repens L. Wheat Grass,*  
*Quake Grass.*

8 **Agrostemma L.**§ 1 *githago* L. *Cockle.*9 **Agrostis L. Bent Grass.**1 *alba* L.2 *lateriflora* Mx.3 *longifolia*. Torrey.4. *sobolifera* Muhl.5. *virginica* L.6 *tenuiflora* Willd.7 *vulgaris* Sm. *Red Top.*10 **Aira L.**1 *flexuosa* L. *Hair Grass.*11 **Alchemilla L.**1 *alpina* L. Mountains of N. Hampshire.12 **Aletris L.**X 1 *farinosa* L. *False Aloe.* Amherst.13 **Alisma L.**X 1 *plantago* L. *Water Plantain.*14 **Allium L.**1 *canadense* L. *Meadow Garlic.*X 2 *tricoccum*? Ait.15 **Alnus Willd.**1 *glutinosa* L.X 2 *serrulata* Willd. *Alder.*16 **Alopecurus L.**1 *geniculatus* Muhl. *Floating Foxtail.*2 *pratensis* L. *Meadow Grass.* *Fox tail.*17 **Amaranthus L.**1 *hybridus* Willd.2 *oleraceus*? L. *Pot Amaranth.*18 **Ambrosia L.**X 1 *elatior* W. *Anakim.* *Hogweed*"X 2 *trifida* W. *Wild Wormwood.*19 **Ammi Mx.**1 *capillaceum* Mx. N. Haven. *Bishop Weed.*

20 Ampelopsis. Mx. *Woodbine Vitaceae* X

1 quinquefolia Mx. *Cissus hederacea* Pers. False Grape.

21 Amphicarpa Elliott. *Glycine L.* X

X 2 monoica W.

22 Andromeda L. X

X 1 calyculata L. Leather Leaf.

X 2 hypnoides L. Moss Bush. White Hills.

X 3 ligustrina Muhl. White Bush

X 4 polifolia L.

23 Andropogon L. X

1 furcatum Muhl. Forked Spike.

2 nutans L. Beard Grass.

3 purpurascens Muhl.

24 Anemone L. X

1 nemorosa L. Low Anemone.

2 thalictroides L. Rue Anemone.

X 3 virginiana L. Wind Flower.

25 Angelica L. *Umbelliferae* X

1 atropurpurea L. *Angelica triquinata* Big.

26 Anthemis L. *Marrubia* — camp. X

X 1 cotula L. May Weed.

27 Anthoxanthum L. X

1 odoratum L. Sweet Vernal Grass.

28 Antirrhinum L. X

X 1 canadense W. Flax Snap Dragon.

X 2 linaria L. Snap Dragon.

29 Apergia W. *Leontodon* X

§ 1 autumnalis W. Northborough. False Hawkweed.

30 Apios Moench. X

1 tuberosa Moench. *Glycine apios* L. Ground Nut.

31 Aplectrum Nutt. X

1 hyemale N. *Cymbidium hyemale* W. Adam and Eve. Putty Root. Conway.

32 Apocynum L. X

X 1 androsaemifolium L. Dog Bane.

2 cannabinum Mx. *pubescens* R. Brown. Indian Hemp.

3 *hypericifolium* Ait *John's dog Bane.*

33 *Aguilegia* L.

1 *canadensis* L. *Columbine.*

34 *Arabis* L.

X 1 *falcata* Mx. *canadensis* W.

2 *hastata* L. *pendula* Nutt?

3 *hirsuta* Smith.

35 *Aralia* L.

1 *hispida* Mx. *Bristly Stem Sarsaparilla.*

X 2 *nudicaulis* L. *Wild Sarsaparilla.*

X 3 *racemosa* L. *Spikenard.*

36 *Arbutus* L. *arctaefolius*

1 *uva—ursi* L. *Bear Berry.*

37 *Arctium* L. *Lappa Major*

X 1 *lappa* L. *Burdock.*

38 *Arenaria* L.

X 1 *glabra* Mx. *White Hills.*

2 *lateriflora* W. *Sand Wort. Springfield.*

X 3 *stricta* Mx.

39 *Arethusa* R. Brown.

X 1 *bulbosa* Swartz. *Belchertown.*

40 *Aristida* L.

1 *dichotoma* Mx. *Beard Grass.*

2 *racemosa* Muhl.

41 *Aronia* Pers.

1 *botrypium* Pers. *Pyrus botryapium* W. *Shad Bush.*

2 *arbutifolia* Pers. *Pyrus melanocarpa* W. *Red Choak Berry.*

3 *ovalis* Pers. *Medlar Bush.*

42 *Arrhenatherum* Beauv.

§? 1 *avenaceum* P. de B. *Avena elatior* L.

43 *Artemesia* L.

1 *canadensis* Mx. *Wild Wormwood. Sugar Loaf.*

§ 2 *vulgaris* L. *Garden Wormwood. High hills west of Connecticut River.*

44 *Arum* L.

1 *dracontium* W. *Green Dragon. Deerfield.*

X 2 *triphyllum* L. *Indian turnip, Wild turnip, Wake Robin.*

45 *Arundo* L.

1 *agrostoides* Ph.

X 46 *Asarum* L.

1 *canadense* L. *Wild Ginger.*

47 *Asclepias* L. *Milk Weed.*

X 1 *incarnata* L.

X 2 *phytolaccoides* Lyon. *exaltata* Muhl.

X 3 *purpurascens* Walt. *obtusifolia* Mx.

X 4 *quadrifolia* Jacquin.

X 5 *syriaca* L.

X 6 *tuberosa* L. *Pleurisy Root, Butterfly Weed.*

7 *variegata* L.

X 8 *verticillata* L. *Sugar Loaf.*

9 *viridiflora* Ph. *Leicester.*

48 *Asparagus* L.

X § 1 *officinalis* L. *Asparagus.*

49 *Aster* L. *Star Flower.*

1 *acuminatus* Mx.

2 *amygdalinus* Mx. *umbellatus* Ait.

3 *conyzoides* W. *Marylandicus* Mx.

X 4 *cordifolius* L.

X 5 *corymbosus* Ait.

6 *cyaneus* Hoff.

X 7 *divergens* W.

8 *diversifolius* Mx. *Patens* W.

9 *dumosus* ? W.

10 *linariifolius* W.

X 11 *macrophyllus* Ait.

12 *multiflorus* W.

X 13 *mutabilis* W.

14 *Novi—Angliae* L.

15 *Novae—Belgii* L.

X 16 *puniceus* L.

17 *rigidus* W.

18 *salicifolius* W.

19 *solidaginoides* W.

20 tradescanti W.

21 undulatus W. *amplexicaulis* Mx.

50 Atragene L. ~~Connais~~

1 americana Sims. Mount Holyoke.

51 Atriplex L.

1 patula L. Salt marshes. Boston.

52 Azalea L.

1 lapponica L. White Hills.

2 nudiflora L. *Honeysuckle*.

3 procumbens L. White Hills.

4 viscosa S. *White Honeysuckle*.

B.

53 Baptisia Ventenant.

1 tinctoria R. Brown. *Wild Indigo*.

54 Barbarea. R. Brown.

1 vulgaris R. B. *Erysimum barbarea L.* *Water Radish*.

55 Bartonia Muhl.

1 paniculata Mx. *Screwstem*.

56 Bartsia L. ~~Castilleja~~

1 coccinea L. *Painted Cup*.

2 pallida L. White Hills.

57 Berberis L.

1 vulgaris Mx. *Barberry*.

58 Betula L.

1 excelsa Ait. *Yellow Birch*.

2 lenta W. *Black Birch*.

3 nana L. *Dwarf Birch*. White Hills.

4 papyracea W. *Canoe Birch*.

5 populifolia Ait. *White Birch*.

59 Bidens L.

1 chrysanthemoides W. *Daisy Beggar Ticks*.

2 connata W.

3 bipinnata L. Wallingford Ct.

4 frondosa L.

60 Blitum L.

1 capitatum L. *Strawberry Blite*. Rare.

## 61 Boehmeria W.

1 cylindrica L. *False Nettle.*

## 62 Brassica L.

X 1 napus L. *Kale or Cole.*

## 63 Bromus L.

1 ciliatus L.

*canadensis* Mx.2. pubescens Muhl. *Broom Grass.*3. secalinus L. *Chess.*

4 mollis ? L.

## C.

64 Cactus L. *Prickly Pear.*1 opuntia L. *East Rock, New Haven.*

## 65 Cakile Ph.

X 1 maritima Ph. *Bunias maritima. Sea Rocket.* N. Haven.

## 66 Calla L.

X 1 palustris L. *Water Arum.* Hadley.67 Callitriché L. *Water Chickweed.*

1 linearis Ph.

X 2 verna Muhl.

## 68 Calopogon Brown.

X 1 pulchellus Br. *Cymbidium pulchellum* Swartz. *Grass Pink.*69 Caltha L. *Cowslip.*

X 1 palustris W.

## 70 Campanula L.

X 1 aparinoides Ph. *Prickly Bell Flower.*2 perfoliata L. *Clasping Bell Flower.*3 rotundifolia L. *Hair Bell.*

## 71 Cardamine L.

X 1 pennsylvanica W. *Water Cress.*2 rotundifolia Mx. *White Hills.*3 virginica W. *Pittsfield.*

## 72 Carex. L.

1 acuta L.

2 alba Haenke. *Pownal, Vt.*3 ampullacea Good. *Deerfield.*

- 4 *anceps* Schkuhr.
- 5 *blanda* Dewey. Berkshire County.
- 6 *bromoides* Schk.
- 7 *bullata* Schk.
- 8 *Buxbaumii* Wahl. Near the College.
- 9 *caespitosa* L.
- 10 *cephalophora* W.
- 11 *collecta* Dewey. Worthington.
- 12 *conoidea* Schk. Near the College.
- 13 *crinita* Lamb.
- 14 *cristata* Schw.
- 15 *curta* Good.
- 16 *Davisii* Dewey.
- 17 *Deweyana* Schw.
- 18 *disperma* Dewey.
- 19 *festucacea* Schk.
- 20 *filiformis* Gooden. South Parish, Amherst.
- 21 *flava* L. Plainfield.
- 22 *flexuosa* Schk.
- 23 *folliculata* L.
- 24 *formosa* Dewey.
- 25 *gracillima* Schw.
- 26 *granularis* Muhl.
- 27 *Halseyana* Dewey. Westfield.
- 28 *hirsuta* W.
- 29 *Hitchcockiana* Dewey. Williamstown.
- 30 *hystericina* W.
- 31 *lacustris* W.
- 32 *lagopodioides* Schk.
- 33 *laxiflora* Lam.
- 34 *limosa* L. Ashfield.
- 35 *longirostris*. Torrey.
- 36 *lupulina* Muhl.
- 37 *marginata* Muhl.
- 38 *miliacea* Muhl.
- 39 *Muhlenbergii* Schk. Stockbridge.
- 40 *multiflora* Muhl.
- 41 *Novae—Angliae* Schw.
- 42 *oligocarpa* Schk. Amherst.

43 *pallescens* L.  
 44 *paniculata* Mich.  
 45 *pauciflora* Schk. Ashfield.  
 46 *pedunculata* Muh.  
 47 *pellita* Muhl.  
 48 *plantaginea* Lam.  
 49 *polytrichoides* Muhl.  
 50 *pseudo-cyperus* L.  
 51 *pubescens* Muhl.  
 52 *pyriformis* Schw. Berkshire Co.  
 53 *retroflexa* Muhl.  
 54 *rosea* Schk.  
 55 *scabrata* Schw.  
 56 *scirpoides* Schk.  
 57 *scoparia* Schk.  
 58 *siccata* Dewey. Westfield.  
 59 *squarrosa* L. Hadley.  
 60 *sellulata* Schreb.  
 61 *sterilis* W.  
 62 *stipata* Muhl.  
 63 *straminea* W.  
 64 *stricta* Good. Williamstown.  
 65 *sylvatica* Huds. Leyden.  
 66 *tenera* Dewey.  
 67 *tentaculata* Muhl.  
 68 *teretiuscula* Good.  
 69 *tetanica* Schk. Stockbridge.  
 70 *Torreyana* Dewey. Sheffield.  
 71 *trichocarpa* Muhl.  
 72 *trisperma* Dewey.  
 73 *umbellata* Schk.  
 74 *varia* Muhl.  
 75 *vesicaria* L.  
 76 *vestita* W.  
 77 *virescens* Muhl.  
 78 *xanthophysa* Wahl. Hadley and Sunderland.  
**73 *Carpinus* L.**  
 1 *americana* W. *Hornbeam*.  
**74 *Carya* Nutt. *Juglans* L.**

1. *amara* Mx. *Bitter Nut.*
2. *porcina* Mx. fil. *Pig Nut.*
- 3 *squamosa* Mx. fil. *Shag Walnut*

75 **Cassia L.**

1. *chamaecrista* L. *Patridge Pea.* Connecticut.
- 2 *marilandica* L. *Wild Senna.*
- 3 *nictitans* L. Hadley Meadows.

76 **Castanea. Tourn.**

- 1 *americana* Mx. *Chesnut.*

77 **Caulophyllum Mx.**

- 1 *thalictroides* Mx. *Poppoose Root.*

78 **Ceanothus L.**

- 1 *americanus* L. *New Jersey Tea.*

79 **Celastrus L.**

- 1 *scandens* L. *False Bittersweet.*

80 **Celtis L.**

- 1 *occidentalis* L. *Nettle Tree.* Sugar Loaf.

81 **Centaurea L.**

- § 1 *nigra* L. Hardwick.

82 **Cephalanthus L.**

- 1 *occidentalis* L. *Button Bush.*

83 **Cerastium L.**

- 1 *oblongifolium.* Torrey—Mountains in Mass. Dewey.
- 2 *tenuifolium* Ph.
- 3 *vulgatum* L. *Chickweed.*

84 **Chara L. In ponds.**

- 1 *flexilis* W.
- 2 *foliosa* W.
- 3 *vulgaris* L. *Feather Beds.*

85 **Chelidonium L.**

- 1 *majus* W. *Celandine.*

86 **Chelone L.**

- 1 *glabra* L. *Snake Head.*

87 **Chenopodium L.**

- 1 *album* L. *Pig Weed.*
- 2 *botrys* L. *Oak of Jerusalem.*

3 *hybridum* L.  
 4 *maritimum* L. N. Haven.  
 5 *rubrum* L. *Rusty Pigweed.*

**88 Chimaphila Ph. *Pyrola L.***  
 1 *maculata* Ph. *Spotted Winter Green.*  
 2 *umbellata* Nutt. *Prince's Pine, Winter green.*

**89 Chrysanthemum L.**  
 1 *leucanthemum* L. *Ox-eyed Daisy.*

**90 Chrysosplenium L.**  
 1 *oppositifolium* L. *Golden Saxifrage.*

**91 Cichorium L.**  
 1 *intibus* L. *Succory. Endive.*

**92 Cicuta L.**  
 1 *bulbifera* L.  
 2 *maculata* L.

**93 Cimicifuga L.**  
 1 *serpentaria* Ph. *Cohosh, Bug Bane, Connecticut.*

**94 Cinna L.**  
 1 *arundinacea* W. *Indian Reed.*

**95 Circaea L. *Enchanter's Nightshade.***  
 1 *alpina* L.  
 2 *lutetana* L. *g. canadensis.*

**96 Cistus L.**  
 1 *canadensis* L. *Rock Rose.*  
 2 *corymbosus* L.

**97 Claytonia Gronovius.**  
 1 *virginica* L. *Spring Beauty.*

**98 Clematis L.**  
 2 *virginica* L. *Virgin's Bower. X*

**99 Clethra L.**  
 1 *alnifolia* L. *Spiked Alder. Worcester.*

**100 Clinopodium L.**  
 1 *vulgare* L. *Field Thyme.*

**101 Cnicus W.**  
 1 *altissimus* W.  
 2 *arvensis* Pers. *Canada Thistle.*

- 3 *discolor* Muhl.
- 4 *lanceolatus* W. *Common Thistle.*
- 5 *muticus* Ph.
- 102 **Cochlearia L.**
  - § 1 *armoracia* L. *Horse Radish.*
- 103 **Collinsonia L.**
  - 1 *canadensis* L. *Horse Balm.*
- 104 **Comptonia Gaert.**
  - 1 *asplenifolia* Ait. *Sweet Fern.*
- 105 **Conium L.**
  - 1 *maculatum* L. *Poison Hemlock.*
- 106 **Convallaria L.**
  - 1 *bifolia* L.
  - 2 *multiflora* L. *Solomon Seal.*
  - 3 *pubescens* W.
  - 4 *racemosa* L.
  - 5 *stellata* L.
  - 6 *trifolia* L. *Cummington.*
  - 7 *umbellulata* Mx. *Lily of the Valley.*
- 107 **Convolvulus L.**
  - 1 *sepium* L. *Field Bind Weed.*
  - 2 *stans* Mx. *Dwarf Morning Glory.* Amherst and Granby.
- 108 **Conyza L.**
  - 1 *camphorata* Muhl. *Marsh Flea Bane.* N. Haven.
- 109 **Coptis Salisbury.**
  - 1 *trifolia* Salis. *Gold Thread*
- 110 **Corallorrhiza Haller.** *Cymbidium W.*
  - 1 *odontorrhiza* W. *Coral Teeth.*
- 111 **Cornus L.**
  - 1 *canadensis* L. *Dogwood.* *Cornel.*
  - 2 *circinnata* l'Her.
  - 3 *florida* L. *False Box.* *Dogwood.*
  - 4 *paniculata* l'Her.
  - 5 *sericea* l'Her.
- 112 **Corydalis Vent.**
  - 1 *cucullaria* Pers. *Colic Weed.*

2 *formosa* Ph. Cummington.

3 *fungosa* Pers. *Climbing Colic Weed.* Rare.

4 *glaucia* Ph.

**113 Corylus L.**

1 *americana* Wang. *Hazel Nut.*

2 *rostrata* W. *Beaked Hazel Nut.*

**114 Crataegus L.**

1 *coccinea* L. *Thorn Bush.*

2 *punctata* Jacq.

**115 Crotalaria L.**

1 *sagittalis* Mx. *Rattle Box.*

**116 Cucubalus L.**

1 *stellatus* L. Connecticut.

**117 Cuscuta L.**

1 *americana* L. *Dodder.*

**118 Cynoglossum L.**

§ 1 *officinale*. *Hound Tongue.*

2 *virginicum* L. Williamstown.

**119 Cyperus L.**

1 *caespitosus* Torrey.

2 *dentatus* Torrey.

3 *diandrus* Torrey.

4 *flavescens* L.

5 *mariscoides* Ell. *Scirpus cyperiformis* Muhl.

6 *poaeformis* Ph.

7 *strigosus* L.

8 *uncinatus* Ph. *Inflexus.* Mx.

**120 Cypripedium L. *Ladies Slipper.***

1 *humile* W.

2 *pubescens* W.

3 *spectabile* W. Deerfield.

D.

**121 Dactylis L.**

1 *glomerata* L. *Orchard Grass.*

**122 Dalibarda L.**

1 *fragrarioides* Mx. Halifax and Marlborough Vt. *Conarop-*  
*sis.* Rich. *fragrarioides* Decand. *Prodrom.* Vol. 2. p. 555.

2 repens Lmk. Greenfield.

**123 Danthonia. Decand.**

- 1 spicata P. de B. *Wild Oats.*
- 2 Datura L.
- 3 stramonium L. *Thorn Apple.*
- 4 tatula Torrey.

**124 Dentaria L.**

- 1 diphylla Mx. *Tooth Root.*
- 2 laciniata W. *Deerfield.*

**125 Dianthus L.**

- 1 armeria L. *Pink.* Bank of the Ct. River East of Mt. Tom.

**126 Diapensia L.**

- 1 barbulata Ell. *White Hills.*
- 2 lapponica L. *White Hills.*

**127 Diervilla Tourn.**

- 1 humilis Pers. *Bush Honeysuckle.*

**128 Digitaria Walter.**

- 1 filiformis Ell.
- 2 sanguinalis Scop. *Finger Grass.*

**129 Diospyros L. *Persimmon.***

- 1 virginiana L. Near the light House, East Haven.

**130 Dipsacus.**

- 1 sylvestris L. *Wild Teasel.* Sheffield.

**131 Dirca L.**

- 1 palustris L. *Moose Wood, Leather Wood.*

**132 Drosera L.**

- 1 longifolia L. Leverett.
- 2 rotundifolia L. *Sun Dew.*

**133 Dryas L.**

- 1 integrifolia Vahl. *White Hills.*

**134 Dulichium Rich.**

- 1 spathaceum Pers. *Galingale.*

E.

**135 Eleusine Gaert.**

- 1 indica Lamb. *Wire Grass, Dog Tail Grass.*

136 *Elymus* L.

- 1 *canadensis* L.
- 2 *glaucifolius* W.
- 3 *hystrix* L.
- 4 *vilosus* L. *Wild Rye, Lime Grass.*
- 5 *virginicus* L.

117 *Empetrum* L.

- 1 *nigrum* L. *White Hills.*

138 *Epigaea* L.

- 1 *repens* L. *Trailing Arbutus.*

139 *Epilobium* L.

- 1 *alpinum* L. *White Hills.*
- 2 *coloratum* Muhl.
- 3 *lineare* Muhl. *rosmarinifolium* Ph.
- 4 *molle* Torrey.
- 5 *spicatum* Lám. *Willow Herb.*

140 *Epipagus* Nutt. *Orobanche* L.

- 1 *virginiana* Nutt. *Beech Drops, Cancer Root.*

141 *Erigeron* L.

- 1 *bellidifolium* W.
- 2 *canadense* L. *Flea Bane.*
- 3 *heterophyllum* Muhl.
- 4 *philadelphicum* L.
- 5 *purpureum* Ait.
- X 7 *strigosum* ? Muhl.

142 *Eriocaulon* L.

- 1 *gnaphaloides* Mx. *Sheffield.*
- 2 *pellucidum* Mx. *Pipe Wort.*

143 *Eriophorum* L.

- 1 *alpinum* L. *White Hills.*
- 2 *cespitosum* Ph. *Stockbridge.*
- 3 *polystachium* L.
- 4 *virginicum* L. *Cotton Grass.*

144 *Erysimum* L.

- 1 *officinale* L. *Sisymbrium officinale. Hedge Mustard.*

145 *Erythronium* L.

- 1 *dens canis* Mx. *Dog Tooth Violet, Adder's Tongue.*

146 *Eupatorium* L.

- 1 *ageratoides* W.
- 2 *persoliatum* L. *Thorough Wort.*
- 3 *purpureum* L. *Joe Pye.*
- 4 *teucrifolium?* L.
- 6 *verticillatum* W. *Joe Pye Weed.*

147 *Euphorbia* L.

- 1 *depressa* Torrey. *maculata* W. *Spotted Spurge.*
- 2 *hypericifolia* W. *maculata* L. *Spurge.*
- 3 *polygonifolia*. *New-Haven.*

## F.

148 *Fagus* L.

- 1 *ferruginea* Ait. *Beech.*

149 *Festuca* L.

- 1 *elatior* L. *Fescue Grass.*
- 2 *nutans* W.
- 3 *tenella* W.

150 *Fragaria* L.

- 1 *virginiana* L. *Strawberry.*

151 *Fraxinus* L.

- 1 *americana* W. *White Ash.*
- 2 *juglandifolia* W. *Swamp Ash, Red Ash.*
- 3 *sambucifolia* W. *Black Ash.*

152 *Fumaria* L.

- § 1 *officinalis* L. *Fumitory.*

## G.

153 *Galega* L.

- 1 *virginianca* L. *Tephrosia virginiana* Ph. *Goat's Rue.*

154 *Galeopsis* L.

- 1 *tetrahit* L. *Flowering Nettle.*

155 *Galium* L.

- 1 *aparine* L.
- 2 *asprellum* Mx. *Rough Bed Straw.*
- 3 *boreale* L.
- 4 *circaeans* Mx.
- 5 *lanceolatum* Torrey

- 6 *pilesum* Ait.
- 7 *tinctorium* L. *Dyer's Cleavers.*
- 8 *trifidum* L. *Bed Straw.*
- 9 *triflorum* Mx.

**156 Gaultheria L.**

- 1 *procumbens* L.

**157 Gentiana L.**

- 1 *crinita* L.
- 2 *quinquefolia* L. *Hoosak Mt.*
- 3 *saponaria* L. *Soap Gentian.*

**158 Geranium L.**

- 1 *maculatum* L. *Crow Foot Geranium.*
- 2 *Robertianum* L. *Herb Robert.*

**159 Gerardia L.**

- 1 *glauca* Eddy. *Fox Glove.*
- 2 *flava* L.
- 3 *maritima* Nutt. *Salt marshes, N. Haven.*
- 4 *pedicularia* L.
- 5 *purpurea* L.

**160 Geum L.**

- 1 *Peckii* Ph. *White Hills.*
- 2 *rivale* L. *Purple Avens.*
- 3 *strictum* Ait. *Upright Avens.*
- 4 *virginianum* L. *Avens.*

**161 Glechoma L.**

- 1 *hederacea* L. *Gill-grow-by-the-ground.*

**162 Glyceria R. Brown.**

- 1 *fluitans* R. B. *Festuca fluitans L.* *Water Fescue.*
- 2 *acutiflora* Torrey.

**163 Gnaphalium L.**

- 1 *decurrens* Ives.
- 2 *margaritaceum* L. *Life Everlasting.*
- 3 *plantagineum* L. *Do.*
- 4 *polycephaleum* Mx. *Sweet Scented Do.*
- 5 *purpureum* W.
- 6 *uliginosum* L.

## 164 Goodyera R. Brown.

1 pubescens W. *Neottia pubescens* L. *Rattle Snake Leaf.*

## 165 Gratiola L.

1 aurea Muhl. *Hedge Hyssop.*2 virginica L. *neglecta* Torrey. *Do.*

## 166 Gyromia Nutt.

1 virginica N. *Medeola virginica* L. *Indian Cucumber.*

H.

167 Habenaria R. Brown. *Orchis* L. *Orchis.*

1 blephariglottis Hooker.

2 bracteata R. Brown. *Satyrium bracteatum* Ph.

3 ciliaris R. Brown.

4 dilatata Hooker.

5 herbiola R. Br.

6 incisa ? Spreng.

7 fimbriata R. Br.

8 orbiculata Hooker.

9 psycodes Spreng.

## 168 Hamamelis L.

1 virginica L. *Witch Hazel.*

## 169 Hedeoma Pers.

1 pulegioides Pers. *Penny Royal.*

## 170 Hedysarum L.

1 acuminatum Mx.

2 bracteosum Mx.

3 canadense L. *Bush Trefoil.*

4 nudiflorum L.

5 obtusum W.

6 paniculatum W.

7 rotundifolium Mx.

8 viridiflorum L.

## 171 Helianthus L.

1 altissimus ? L.

2 decapetalus L.

3 mollis ? W.

4 trachelifolius W.

§ 5 tuberosus L. *Artichoke.*

172 **Helonias L.**1 *dioica* Ph. *Blazing Star.* Great Barrington.173 **Hemerocallis L.**§ 1 *fulva* L. *Day Lily.*174 **Hepatica W.**1 *triloba* W. *Liverleaf, Liverwort.*175 **Heracleum L.**1 *lanatum* Mx. *Cow Parsnip.*176 **Hieraceum L.**1 *gronovii* L.2 *kalmii.*3 *mariannum* W.4 *pauiculatum* L.5 *venosum* L. *Hawkweed.*177 **Holcus.**1 *alpinus* Wahl. White Hills.178 **Hordeum.**1 *Jubatum* Ait. Marshes, Boston.179 **Hottonia L.**1 *inflata* L. Between New Bedford, Mass. and Tiverton, R. Island. Also at Milton and Dorchester.180 **Houstonia L.**1 *coerulea* L. *Venus's Pride.*181 **Humulus L.**1 *lupulus* L. *Hop.*182 **Hydrocotyle L.**1 *americana* L.183 **Hydropeltis Mx.**1 *purpurea* Mx. *Water Shield.*184 **Hydrophyllum L.**1 *canadense* L. Windsor. Dr. Porter.2 *virginicum* L. *Water Leaf.*185 **Hyoscyamus L.**1 *niger* L. *Henbane.*186 **Hypericum L.**1 *angulosum* Mx.2 *ascyroides* W. *St. John's Wort.*

3 *canadense* L.  
 4 *corymbosum* W.  
 5 *cystifolium* Lmk. Amherst, Williamsburgh, &c.  
 6 *parviflorum* W.  
 7 *perforatum* L. *St. John's Wort.*  
 8 *sarothra* Mx. *Sarothra gentianoides* L.  
 9 *virginicum* L. *Elodea campanulata* Ph.

187 **Hypoxis** L.  
 1 *erecta* L. *Star Grass.*

188 **Hyssopus** L.  
 1 *nepetoides* W. *Giant Hyssop.* Deerfield.  
 I.

189 **Iléx** L.  
 1 *canadensis* Mx. *Mountain Holly.*  
 2 *opaca* Ait. *Evergreen Holly.* Quincy, Cohasset.

190 **Impatiens** L.  
 1 *biflora* Walt. *Jewel Weed.*  
 2 *nolitangere* Ph. *Touch-me-not.* Probably both these are the same species.

191 **Inula** L.  
 1 *helenium* L. *Elecampane.*

192 **Iris** L.  
 1 *versicolor* L. *Wild Iris.* *Fleur de Luce.*  
 2 *virginica* L. N. Haven.

193 **Isanthus** Mx.  
 1 *coeruleus* Muhl. *False Pennyroyal.*

194 **Isnardia** L.  
 1 *palustris* L. *Water Purslane.*

195 **Iva.** L.  
 1 *frutescens*. L. *High Water Shrub.* N. Haven.  
 J.

196 **Juglans** Nutt.  
 1 *cinerea* L. *Butternut.*  
 § 2 *nigra* L. *Black Walnut.*

197 **Juncus** L.  
 1 *acuminatus* Mx.  
 2 *bufonius* L.

3 effusus L. *Rush Grass.*

4 nodosus L.

5 polycephalus Mx.

6 setaceus Rostk.

7 tenuis W.

8 trifidus L. *White Hills.*

**198 Juniperus L.**

1 communis L. *Juniper.* East side of Mt. Tom.

2 virginiana Wang. *Red Cedar.*

**K.**

**199 Kalmia L.**

1 angustifolia L. *Sheep Laurel.*

2 glauca Ait. *Swamp Laurel.* Belchertown Pond.

3 latifolia L. *Laurel.*

**200 Koeleria Pers.**

1 canescens Torrey MS. Amherst.

2 pennsylvanica De Cand. Amherst, S. Parish.

3 truncata Torrey.  $\beta$  major. Deerfield.

**201 Krigia W.**

1 amplexicaulis Nutt. *Hyoseris amplexicaulis. Mx.*

2 virginica W. *Dwarf Dandelion.*

**L.**

**202 Lactuca L.**

1 elongata W. *Wild Lettuce.*

**203 Lamium L.**

1 amplexicaule L. *Hen Bit. Dead Nettle.* Rare.

**204 Laurus L.**

1 benzoin L. *Spice Bush. Fever Bush.*

2 sassafras L. *Sassafras.*

**205 Lechea L.**

1 major L. *Pin Weed*

2 minor L. Rare.

**206 Leontia Cooper.**

1 virginica Tor. *Arum virginicum W. Poison Arum.* Belchertown Pond.

**207 Ledum L.**

1 latifolium Ait. *Labrador Tea.* Amherst. Rare.

208 *Leersia* Swartz.

- 1 *oryzoides* Sw.
- 2 *virginica* W. *Cut Grass.*

209 *Lemna* L.

- 1 *minor* L. *Duck Meat.*
- 2 *polyrrhiza* L. *Water Flaxseed.*
- 3 *trisulca* L. *Rare.*

210 *Leontodon* L.

- 1 *taraxacum* L. *Dandelion.*

211 *Leonorus* L.

- 1 *cardiaca* L. *Motherwort.*

212 *Leipidium* L.

- 1 *virginicum* L. *Wild Peppergrass.*

213 *Leptandra* Nutt.

- 1 *virginica* Nutt. *Culver's Physic.*

214 *Lespedeza* Mx.

- 1 *capitata* Mx.
- 2 *polystachia* Mx.
- 3 *procumbens* Mx.
- 4 *reticulata* Nutt.
- 5 *sessiliflora* Mx.
- 6 *violacea* Pers.

215 *Liatris* L.

- 1 *scariosa* W. *Gay Feather.* Hadley Meadows.

216 *Ligusticum* L.

- 1 *scoticum* L. *Salt Marshes,* Boston.

217 *Ligustrum* L.

- 1 *vulgare* L. *Prim.* On the road to Hadley.

218 *Lilium* L.

- 1 *canadense* L. *Nodding Lily.*
- 2 *philadelphicum* L. *Red Lily.*

219 *Lindernia* L.

- 1 *attenuata* Muhl. *False Hedge Hyssop.*
- 2 *monticola* Muhl. *White Hills.*

220 *Linnaea* Gron

- 1 *borealis* W. *Twin Flower.*

221 *Linum L.*1 *virginianum L.* *Wild Flax.*222 *Liquidambar L.*1 *styracilua L.* *Sweet Gum.* Northampton, Eaton.223 *Liriodendron L.*1 *tulipifera L.* *Tulip Tree.* Deerfield.224 *Listera R. Brown.* *Epipactis Sw.*1 *cordata Mx.* Plainfield.225 *Lithospermum L.*1 *maritimum Lehm.* Sea Shore.2 *officinale L.* Pittsfield.226 *Lobelia L.*1 *cardinalis L.* *Cardinal Flower.*2 *Dortmanna L.* Belchertown and Shutesbury.3 *inflata L.* *Wild Tobacco.*4 *Kalmii L.* S. Hadley Canal.5 *pallida Muhl.*6 *siphilitica L.* Western part of Connecticut.227 *Lolium L.*1 *perenne L.* *Darnel Grass.*228 *Lonicera L.*1 *hirsuta Eaton.* Williamstown.2 *parviflora Lmk.*229 *Ludwigia L.*1 *alternifolia L.* *Seed Box.*230 *Lupinus L.*1 *perennis L.* *Wild Lupine.*231 *Luzula W.*1 *campestris W.*2 *melanocarpa Desv.* White Hills.1 *pilosa W.* Halifax, Vt.4 *spicata De Cand.* White Hills.232 *Lycopsis L.*1 *arvensis L.* Mill Hollow, Amherst; also at Hatfield, in the street.233 *Lycopus L.*1 *europaeus Mx.* *Water Horehound.*

2 *virginicus* L. *Bugle Weed.*

**234 Lysimachia L.**

1 *capitata* Ph.

2 *ciliata* Mx.

3 *quadrifolia* L.

4 *racemosa* Lmk. *Loose Strife.*

**235 Lythrum L.**

1 *verticillatum* L. *Swamp Willow Herb.* Sunderland.

M.

**236 Magnolia L.**

1 *glauca* L. *Beaver Tree.* *Swamp Laurel.* Gloucester,  
Cape Ann; its most northern limit.

**237 Malaxis Sw.**

1 *liliifolia* Sw. *Twayblade.* Holyoke.

2 *Loeselii* Sw.

**238 Malva L.**

1 *rotundifolia* L. *Low Mallows.*

§ 2 *sylvestris* ? L.

**239 Marrubium L.**

§ 1 *vulgare* L. *Horehound.*

**240 Medicago L.**

1 *lupulina* L. Cummington. Dr. Porter.

**241 Melampyrum L.**

1 *americanum* Mx. *Cow Wheat.*

**242 Menispermum L.**

1 *canadense* L. *Moonseed.* School Meadow, Hadley.

**243 Mentha L.**

1 *borealis* Mx. *Horse Mint.*

§ 2 *piperita* Sm. *Peppermint.*

§ 3 *viridis* Walter. *Spear Mint.*

**244 Menyanthes.**

1 *trifoliata* L. *Buckbean.* Amherst and Hawley.

**245 Menziezia Sm.**

1 *coerulea* Sw. White Hills.

**246 Mycrostylis Nutt. *Malaxis* Sw.**

1 *ophioglossoides* Nutt. *Adder Mouth.* Deerfield.

247 **Mikania W.**

1 scandens W. *Climbing Thorough Wort.* Amherst.

248 **Mimulus L.**

1 alatus L. Amherst.

2 ringens L. *Monkey Flower.*

249 **Mitchella L.**

1 repens L. *Checker Berry.*

250 **Mitella L.**

1 cordifolia Lamb. Pittsfield.

2 diphylla L. *Currant Berry.*

251 **Mollugo L.**

1 verticillata L. *Carpet Weed.*

252 **Momordica L.**

1 echinata W. *School Meadow, Hadley.*

253 **Monarda L.**

1 didyma L. Williamstown.

2 hirsuta Ph. Cummington.

3 oblongata Ait. Williamstown.

254 **Monotropa L.**

1 lanuginosa Mx.

2 uniflora L. *Birds Nest. Indian Pipe.*

255 **Morus L.**

§? 1 rubra L. *Wild Mulberry. Sugar Loaf. Deerfield.*

256 **Muhlenbergia Schreb.**

1 erecta Schreb. *Brachyelytrum aristatum Beauv. Drop-seed Grass.*

257 **Myosotis L.**

1 arvensis Sibth. *Forget-me-not.*

2 virginiana L. *Rochelia virginiana R. & S.*

258 **Myrica L.**

1 cerifera L. *Bayberry. Conway.*

2 gale L. *Sweet Gale. Belchertown.*

259 **Myriophyllum L.**

1 verticillatum L. *Water Milfoil.*

N.

260 **Najas L.**

1 *canadensis* Mx. *Caulinia flexilis* W.

**261 Nelumbium L.**

1 *luteum* L. *Sacred Bean. Water Chinquapin.* Haddam. Ct.

The largest flower in North America grows upon this plant, except that of *Magnolia macrophylla*.

**262 Neottia Sw.**

1 *aestivalis* Pers. *Ladies' Tresses.*

2 *cernua* Sw. *Nodding Ladies' Tresses.*

**263 Nepeta L.**

1 *cataria* L. *Catmint. Catnip.*

**264 Nuphar Sm.**

1 *advena* Ait. *Yellow Water Lily.*

2 *kalmiana* Ait.

**265 Nymphaea L.**

1 *odorata* Ait. *White Pond Lily.*

**266 Nyssa L.**

1. *biflora* W. *Sour Gum.*

2 *villosa* Mx. *Pepperidge. Tupelo.*

**O.**

**267 Oenothera L.**

1 *biennis* L. *Scabish. Tree Primrose.*

✗ 2 *pumila* L.

**268 Onopordum L.**

1 *Acanthium* L. *Cotton Thistle.* East Parish, Amherst.

**269 Onosmodium Mx.**

1 *hispidum* Mx. *False Gromwell.* Guilford Vt.

**270 Orchis L. (See *Habenaria*.)**

1 *spectabilis* W. *Orchis.*

2 *tridentata* W.

**271 Orobanche L.**

1 *americana* L. Mt. Holyoke.

2 *uniflora* L. *Squaw Root. Cancer Root.*

**272 Oryctes L.**

1 *aquaticum* L. *Golden Club.* Southwick. Dr. Porter.

**273 Oryzopsis Mx.**

1 *asperifolia* Mx. *Mountain Rice.* Mt. Holyoke.

274 *Ostrya* Micheli.1 *virginica* W. *Iron Wood. Hop Horn Beam.*275 *Oxalis* L.1 *acetosella* L. *Wood Sorrel. Conway.*2 *stricta* Jacq. *Yellow Woodsorrel.*3 *violacea* L. *Amherst.*276 *Oxycoccus* Pers.1 *macrocarpus* Ph.2 *vulgaris* Pers.3 *hispidulus* Pers. *Gaultheria hispidula Muhl.*

P.

277 *Panax* L.1 *quinquefolium* L. *Ginseng. Conway.*2 *trifolium* L. *Dwarf Ground Nut.*278 *Panicum* L.1 *acuminatum* Muhl.2 *agrostoides* Muhl.3 *capillare* L.4 *clandestinum* L.5 *crus-galli* L. *Barn Grass.*6 *dichotomum* L.7 *depauperatum* Muhl.8 *geniculatum* Muhl.9 *involutum* Torrey.10 *latifolium* L.11 *macrocarpon* Torrey.12 *nervosum* Muhl?13 *nitidum* Lmk.14 *virgatum* L.279 *Parietaria* L.1 *pennsylvanica* L. *Pellitory. Sugar Loaf.*280 *Parnassia* L.1 *caroliniana* Mx. *Parnassus Grass.*281 *Paspalum* L.1 *setaceum* Mx. *Paspalon Grass.*282 *Pastinaca* L.§ 1 *sativa* L. *Parsnip.*

283 *Pedicularis* L.

- 1 *canadensis* L. *Louse Wort.*
- 2 *pallida* Ph. W. Springfield.

284 *Penstemon* L.

- 1 *pubescens* W. Williamstown.

285 *Penthorum* L.

- 1 *sedoides* L. *Virginian Orpine.*

286 *Phalaris* L.

- 1 *americana* Ell. *Ribbon Grass.* *Wild Canary Grass.*

287 *Phleum* L.

- 1 *pratense* L. *Timothy Grass.*

288 *Phryma* L.

- 1 *leptostachia* L. *Lop Seed.* Deerfield.

289 *Physalis* L.

- 1 *obscura* Mx. *Henbane.*

- 2 *pennsylvanica* ? L.

290 *Phytolacca* L.

- 1 *decandra* L. *Poke Weed.*

291 *Pinus* L.

- 1 *alba* Lamb. *Wild Spruce.*

- 2 *balsamea* W. *Fir Tree.* *Balsam.*

- 3 *canadensis* L. *Hemlock Tree.*

- 4 *microcarpa* Lamb. *Red Larch.* Goshen. Dr. Porter.

- 5 *nigra* Lamb. *Black Spruce.*

- 6 *pendula* Ait. *Hackmatack.* *Tamarack.*

- 7 *resinosa* Lamb. *Norway Pine.* Deerfield.

- 8 *rigida* L. *Pitch Pine.*

- 9 *strobus* L. *White Pine.*

292 *Piptatherum* Beauv.

- 1 *nigrum* Torrey. *Milium racemosum* Sm. *Clustered Millet Grass.*

293 *Pisum* L.

- 1 *maritimum* L. *Sea Pea.* N. Haven.

294 *Plantago* L.

- 1 *lanceolata* L. *Rib Wort.* Amherst, S. Parish:

- 2 *major* L. *Plantain.*

- 3 *maritima* L. N. Haven.

295 *Platanus* L.

1 *occidentalis* L. *Sycamore. Button Wood.*

**296 Poa L.**

- 1 *annua*? L.
- 2 *aquatica* W. *& americana* Torrey.
- 3 *canadensis* Torrey. *Briza canadensis* Mx.
- 4 *capillaris* L.
- 5 *compressa* L. *Blue Grass.*
- 6 *dentata* Torrey.
- 7 *elongata* Torrey. *Torreyana Sprengel.*
- 8 *eragrostis*? L.
- 9 *nemoralis* L.
- 10 *hirsuta* Mx.
- 11 *maritima* Muhl. Salt Marshes, Cambridge.
- 12 *nervata* W. *Briza canadensis* Nutt. non Mx.
- 13 *palustris* Muhl.
- 14 *pectinacea* Mx. Springfield.
- 15 *pratensis* L. *English Grass.*
- 16 *reptans* Mx. Whitmore's Ferry, Sunderland.
- 17 *trivialis* L.

**297 Podophyllum L.**

- 1 *peltatum* L. *May Apple.* Amherst, S. Parish.

**298 Podostemum Mx.**

- 1 *ceratophyllum* Mx. *Thread Foot.* Ct. River.

**299 Pogonia Brown. *Arethusa L.***

- 1 *ophioglossoides* L. *Snake Mouth Arethusa.*
- 2 *verticillata* L. Deerfield.

**300 Polygala L.**

- 1 *paucifolia* W. *Flowering Wintergreen.*
- 2 *sanguinea* L.
- 3 *vetticillata* L. *Dwarf Snake Root.*

**301 Polygonum L.**

- 1 *amphibium* L. Sudbury.
- 2 *arifolium* L. *Halbert Knotweed.*
- 3 *articulatum* L. *Joint Weed.*
- 4 *aviculare* L. *Knot Grass.*
- 5 *cilinode* Mx.
- 6 *convolvulus* L. *Bind Knot Weed.*
- 7 *mite* Pers. *Tasteless Knotweed.*

§ 8 orientale L. *Princes Feather.*

9 persicaria L. *Heart's Ease. Ladies' Thumb.*

10 punctatum Ell. *Biting Knotweed.*

11 sagittatum L. *Prickly Knotweed.*

12 scandens L. *Climbing Buck Wheat.*

13 tenue Mx. *Slender Knot Grass.*

14 virginianum L.

15 viviparum L. *White Hills.*

### 302 Polypogon Desfont.

1 glomeratus W. *racemosus Nutt.*

### 303 Pontederia L.

1 angustifolio Ph. *cordata & angusti Torrey.* *Leverett.*

2 cordata L. *Pickerel Weed.*

### 304 Populus L.

1 angulata L. *Balm of Gilead. Cotton Wood.*

2 balsamifera Wang. *Balsam Poplar.*

§ 3 dilatata L. *Lombardy Poplar.*

4 grandidentata Mx. *Poplar.*

5 tremuloides Mx. *White Poplar. Aspen.*

### 305 Portulacca L.

1 oleracea L. *Purslane.*

### 306 Potamogeton L. *Pond Weed.*

1 compressum W.

2 fluitans L.

3 gramineum Mx.

4 heterophyllum Schreb.

5 natans L.

6 pectinatum Sm. *Pittsfield.*

7 perfoliatum L.

8 setaceum Ph. *diversifolium Barton.*

### 307 Potentilla L.

1 argentea L. *Silver Five Finger.*

2 canadensis L. *Five Finger.*

3 confertiflora Torrey. *Geum agrimonoides Ph. Bootia sylvestris Bigelow.*

4 fruticosa L. *Stockbridge.*

5 norwegica L. *Cinquefoil.*

6 palustris Scop. N. Haven. *Marsh Five Finger. Comarum palustre L.*

7 *tridentata* Alt. Hoosak Mountain.

308 *Pothos Mx.* *Dracontium L.* *Ictodes Big.* *Symplocarpus Salisbury.*

1 *foetida Mx.* *Skunks Cabbage.*

309 *Pragmites Trinnius.*

1 *communis Trinn.* *Marsh Reed Grass.* Amherst, S. Parish.  
*Arundo Pragmites W.*

310 *Prenanthes L.*

1 *alba L.* *White Lettuce.*

2 *altissima L.*

3 *cordata W.*

4 *virgata Mx.* Pittsfield, Eaton.

311 *Prinos L.*

1 *verticillatus L.* *Winter Berry, False Alder.*

312 *Proserpinaca L.*

1 *palustris L.* *Mermaid Weed.*

313 *Prunella L.*

1 *pennsylvanica W.* *Heal All.*

314 *Prunus L.*

1 *borealis Ph.*

2 *americana Marshall*—Ann. Lyc. N. Y. vol. 3. *Plum Tree.*  
*chicosa Mx?*

3 *depressa Ph.*

4 *mollis Torrey.* Williamstown.

5 *pumila L.*

6 *serotina Ehrh.* *Choke Cherry.*

7 *virginiana L.* *Wild Cherry, Cabinet Cherry.*

315 *Pycnanthemum Mx.*

1 *aristatum Mx.*

2 *incanum Mx.* *Mountain Mint.*

3 *lanceolatum ? Ph.*

4 *linifolium Ph.* *Virginian Thyme.*

316 *Pyrola L.*

1 *asarifolia Mx.*

2 *elliptica Nutt.*

3 *minor L. ?*

4 *rotundifolia L.* *Shin Leaf Wintergreen.*

5 *secunda* L.6 *uniflora* L. Keene, N. Hampshire.317 *Pyrus* L.1 *coronaria*. *Crab Apple.* N. Haven, Eaton.

## Q.

318 *Quercus* L.1 *alba* W. *White Oak.*2 *ambigua*? Mx. *fil.*3 *Banisteri* Mx. *Shrub Oak.*4 *coccinea* Wang. *Scarlet Oak.*5 *montana* W. *Chesnut Oak.*6 *palustris* W. *Pin Oak.*7 *prinos-chinchapin* Mx. *Chinquapin*, 2 to 4 feet high, on sandy plains.8 *prinos-discolor* Mx. *False Red Oak.*9 *rubra* W. *Red Oak.*10 *tinctoria* Mx. *Black Oak.*319 *Queria* L.1 *canadensis* L. *Fork Chickweed.* *Anychia dichotoma* Mx.

## R.

320 *Ranunculus* L.1 *abortivus* L.2 *acris* L. *Butter Cup, Crowfoot.*3 *bulbosus* L.4 *cymbalaria* Ph. Salt Marshes, Boston.5 *fascicularis* Muhl.6 *filiformis* Mx. Whitmore's Ferry, Sunderland.7 *flammula* L. *Spear Wort.* Amherst, N. Parish.8 *fluvialis* L. *River Crowfoot.*9 *recurvatus* L.10 *repens* L.11 *sceleratus* L. *Celery Crowfoot.*321 *Raphanus* L.§? 1 *raphanistrum* L. *Cadlock. Charlock.*322 *Rhamnus* L.1 *alnifolius* L'Herit. *Dwarf Alder.* Boggy Meadows, Deer field.§ 2 *catharticus* L. *Buckthorn.* Hardwick.

323 *Rhexia* L.

1 *Virginica*. *Meadow Beauty.* *Deer Grass.* *Shutesbury Pond.*

324 *Rhodera* L.

1 *canadensis* L. *False Honeysuckle.* *Amherst and Hardwick.*

325 *Rhododendron* L.

1 *maximum* L. *American Rose Bay.* *Medfield and Dedham.*  
A magnificent flowering shrub.

326 *Rhus* L.

1 *aromaticum* Ait. *Williamstown.*  
2 *copallinum* L. *Sumach.*  
3 *glabrum* L. *Sumach.*  
4 *toxicodendron* L. *Poison Ivy.* *Poison Ash.*  
5 *typhinum* L. *Sumach.*  
6 *vernix* L. *Poison Sumach.*

327 *Rhynchospora* Vahl. *False Bog Rush.*

1 *alba* Vahl.  
2 *glomerata* Vahl.  
3 *marcrostachya* Torrey. MS. *Belchertown and Leverett.*

328 *Ribes* L.

1 *gracile* Mx. *West River Mountain.*  
2 *floridum* l'Herit. *Black Currant.*  
3 *lacustre* Ph.  
4 *prostratum* l'Herit. *Chesterfield, N. H.*  
5 *rigens* Mx. *Monadnock and White Hills.*  
6 *triflorum* W. *Wild Gooseberry.*

329 *Robinia* L.

§ 1 *pseudo-acacia* L. *Locust Tree.*

330 *Rosa* L.

1 *corymbosa* Ehrhart. *carolina* L. *Swamp Rose.*  
2 *lucida* Ehrh. *Williamstown.*  
3 *parviflora* Ehrh. *carolina* Mx. *Wild Rose.*  
4 *rubiginosa* L. *Sweet Briar.*

331 *Rubus* L.

1 *canadensis* L.  
2 *obovalis* L.  
3 *occidentalis* L. *Black Raspberry.*

- 4 *odoratus* L. *Flowering Raspberry.*
- 5 *strigosus* Mx. *Red Raspberry.*
- 6 *trivialis* Mx. *Dewberry.*
- 7 *villosum* Ait. *Blackberry.*

**332 Rudbeckia L.**

- 1 *laciniata* W. *Cone Flower.*

**333 Rumex L.**

- 1 *acetosella* L. *Field Sorrel.*
- 2 *acutus* ? L.
- 3 *crispus* L. *Dock.*
- 4 *obtusifolius* L.
- 5 *verticillatus* L. *Haddam Ct.*

**334 Ruppia L.**

- 1 *maritima* L. *Sea Teasel Grass.* N. Haven.  
S.

**335 Sagina L.**

- 1 *procumbens* L. *Pearl Wort.*

**336 Sagittaria L. *Arrow Head.***

- 1 *acutifolia* Ph.
- 2 *heterophylla* Ph.
- 3 *lancifolia* Mx.
- 4 *sagittifolia* L.  
a *latifolia.*  
γ *gracilis.*

**337 Salicornia L.**

- 1 *herbacea* L. *Samphire. Glass Wort.* N. Haven.

**338 Salix L. *Willow.***

- 1 *conifera* W.
- 2 *cordata* W.
- 3 *falcata.*
- 4 *grisea* W.
- 5 *lucida* Muhl.
- 6 *muhlenbergiana* W.
- 7 *myricoides* W.
- 8 *nigra* W.
- 9 *pedicellaris* Beauv.
- 10 *repens* W. *White Hills.* Eaton.

11 *rigida* W.

12 *vitellina*. *Yellow Willow.*

**339 Salsola L.**

1 *caroliniana* Mx. *Salt Marshes, Boston.*

2 *salsa* Mx. *Do.*

**340 Sambucus L.**

1 *canadensis* L. *Elder.*

2 *pubens* Mx. *Red Berried Elder.*

**341 Samolus L.**

1 *Valerandi* L. *Brookweed. N. Haven.*

**342 Sanguinaria L.**

1 *canadensis* L. *Blood Root.*

**343 Sanguisorba L.**

1 *canadensis* L. *Burnet Saxifrage. Plum Trees and Deer-field.*

**344 Sanicula L.**

1 *marilandica* L. *Sanicle.*

**345 Saponaria L.**

§ 1 *officinalis* L. *Bouncing Bet. Soap Wort.*

**346 Sarracenia L.**

1 *purpurea* L. *Sidesaddle Flower.*

**347 Saxifraga L.**

1 *pennsylvanica* L. *Water saxifrage.*

2 *virginensis* Mx. *Rock Saxifrage.*

**348 Schoenus L.**

1 *mariscoides* Muhl. *Bog Rush. Belchertown and Leverett.*

**349 Scheuchzeria L.**

1 *palustris* L. *Belchertown Ponds.*

**350 Schollera Schreb.**

1 *graminifolia* W. *Leptanthus gromineus* Mx.

**351 Scirpus L. *Club Rush.***

1 *acicularis* L.

2 *americanus* Pers. *Belchertown.*

3 *atrovirens* Muhl

4 *autumnalis* Muhl.

5 *brunneus* Muhl.

6 *caespitosus* L. White Hills.  
 7 *capillaris* Muhl.  
 8 *capitatus* L.  
 9 *debilis* Muhl.  
 10 *intermedius* Muhl.  
 11 *lacustris* L.  
 12 *lineatus* Mx. Plainfield.  
 13 *maritimus* L. Salt Marsh, Boston.  
 14 *palustris* L.  
 15 *planifolius* Muhl. Mt. Holyoke.  
 16 *pusillus* Vahl. ?  
 17 *subsquarrosum* Muhl. Sunderland, near the bridge.  
 18 *subterminalis* Torrey. Leverett, in ponds.  
 19 *tenuis* W.  
 20 *trichodes* Muhl.  
 21 *Eriophorum* Mx. *Tricophorum cyperinum* Pers.  
 22 *triqueter* Mx.  
 23 *tuberculatus* Mx.  
 24 "Distinct from *S. Eriophorum*—not described." *Tor in lit.*  
 25 and 26: Allied to *S. eriophrum*: noticed while this sheet  
     was in type and not yet ascertained.

**352 Scleranthus L.**

1 *annuus* L. *Knawel.* *Gravel Chickweed.*

**353 Scleria Gaert.**

1 *triglomerata* Mx. *Whip Grass.* Mt. Holyoke and School  
     Meadow, Hadley.

**354 Scrophularia L.**

1 *marilandica* L. *Fig Wort.*

**355 Scutellaria L.**

1 *galericulata* L. *Scull Cap.*

2 *integrifolia* L. E. Windsor, Ct. Dr. J. W. Robbins.

3 *lateriflora* L. *Mad Dog Scull Cap.*

**356 Secale L.**

1 *cereale* L. *Rye.* Scarcely naturalized.

**357 Senecio L.**

1 *aureus* W. *Rag Wort.*

2 *balsamitae* W. *Balsam Groundsel.*

3 *gracilis* Ph.

4 *hieracifolius* L. *Fire Weed.*

5 *obovatus* W.

6 *vulgaris* L. *Groundsel.* Hartford, Dr. J.W. Robbins.

358 *Serpicula* L.

1 *occidentalis* Ph. *Ditch Moss.* Longmeadow.

359 *Setaria* P. de Beauv.

1 *viridis* P. de B. *Panicum viride* L.

2 *glaucum* P. de B. *P. glaucum.* *Fox Tail Grass.*

360 *Sicyos* L.

§ 1 *angulata* L. *Single Seed Cucumber.*

361 *Sida* L.

1 *abutilon* L. *Indian Mallows.*

362 *Silene* L.

1 *antirrhina* L. *Sleepy Catch Fly.*

2 *pennsylvanica* Mx. *Pink Catch Fly.*

363 *Sinapis* L.

§ 1 *nigra* Smith. *Mustard.*

364 *Sison* L. *Myrrhis Morrison.* *Chaerophyllum Pers.*

1 *canadense* L. *Hone Wort.* *Mock Sanicle.*

365 *Sisymbrium* L.

1 *araphibium* L. *Water Radish.*

2 *nasturtium* L. *English Water Cress.*

366 *Sisyrinchium* L.

1 *anceps* Cavan. *Blue Eyed Grass.*

367 *Sium* L.

1 *latifolium* L. *Water Parsnip.*

2 *lineare* Mx.

368 *Similax* L.

1 *peduncularis* W. *Jacob's Ladder.*

2 *rotundifolia* L. *Green Briar.*

369 *Smyrnium* L.

1 *aureum* L. *Sison aureus* Spreng. *Thaspium aureum* Nutt.  
*False Alexanders, Meadow Parsnip.*

370 *Solanum* L.

1 *dulcamara* L. *Bitter Sweet.*

2 *nigrum* L. *Deadly Nightshade.*

**371 Solidago L. *Golden Rod.***

1 *altissima* W.

2 *arguta* W.

3 *aspera* ? Ait.

4 *bicolor* L.

5 *caesia* W.

6 *ciliaris* ? W.

7 *gigantea* Ait.

8 *lanceolata* Ait.

9 *latifolia* Muhl.

10 *livida* W.

11 *nemoralis* Ait.

12 *odora* Ait. *Sweet Scented Golden Rod.* Holyoke.

13 *rigida* Ait. South Hadley Canal.

14 *serotina* W.

15 *squarrosa* Nutt. Mt. Holyoke.

16 *stricta* W.

17 *ulmifolia* W.

**372 Sonchus L.**

1 *leucophaeus* W. *Sow Thistle.*

2 *oleraceus* L.

**373 Sorbus L.**

1 *americana* W. *Mountain Ash.* Mt. Holyoke, Pelham.

**374 Sparganium L.**

1 *ramosum* Swartz. *Burr Reed.*

2 *angustifolium* Mx.

**375 Spergula L.**

1 *arvensis* L. *Spurry.*

**376 Spiraea L.**

1 *salicifolia* L. *Hard Hack.*

2 *tomentosa* L. *Steeple Bush, Meadow Sweet.*

**377 Stachys L.**

1 *aspera* Mx. *Hedge Nettle.*

2 *sylvatica* L. Hatfield, Bank of the River.

**378 Staphylea L.**

1 *trifolia* L. Mt. Holyoke. *Bladder Nut.*

379 *Statice* L.1 *limonium* L. *Marsh Rosemary.* N. Haven.380 *Stellaria* L.1 *lanceolata* Torrey.2 *longisolia* Muhl. *Long Leaf Starwort.*3 *media* Smith. *Alsime media L.* Chickweed.381 *Stipa* L.1 *canadensis* Lmk. *junccea* Mx. non L. *Oryzopsis parviflora* Nutt. *Journ. Acad. Nat. Sci. Phil.* *Milium pungens* Torrey: *fide Torreο ipso.*382 *Streptopus* Mx.1 *distortus* Mx. Deerfield.2 *roseus* Mx. *Rose Bell Wort.* Conway.383 *Swertia* L.1 *pusilla* Ph. *False Gentian.* Whtte Hills.

## T.

384 *Tanacetum* L.§ 1 *vulgare* L. *Tansey.*385 *Taxus* L.1 *canadensis* W. *Dwarf Yew.*386 *Thalictrum* L.1 *dioicum* L. *Meadow Rue.*2 *polygamum* Muhl.387 *Thesium* L.1 *umbellatum* L. *False Toad Flax.*388 *Thlaspi* L.1 *bursa-pastoris* L. *Shepherd's Purse.*2 *campestris* L. *Yellow Seed, Mithridate Mustard.*389 *Thymus* L.§ 1 *vulgaris* L. *Thyme.* Longmeadow.390 *Tiarella* L.1 *cordifolia* L. *Mitre Wort.*391 *Tilia* L.1 *glabra* Vent. *Bass Wood.*2 *pubescens* Vent. *Bass Wood.*

392 *Trichocloa* De Cand.1 *capillaris* De Cand. *Stipa sericea* Mx.393 *Trichodium* Mx.1 *laxiflorum* Mx. *Tickle Grass.*2 *scabrum* Muhl.394 *Trichostema* L.1 *dichotoma* L. *Blue Curls.*395 *Tricupsis* Beauv.1 *sesleroides* Torrey. *Poa quinquefida* Ph. *Sugar Loaf.*396 *Trientalis* L.1 *americana* Ph. and Big. *Chick Wintergreen.*397 *Trifolium* L.1 *arvense* L. *Field Clover, Rabbit Foot.*2 *pratense* L. *Common Clover.*3 *repens* L. *White Clover.*398 *Triglochin* L.1 *maritimum* L. *Arrow Grass.* N. Haven.399 *Trillium* L.1 *cernuum* L. *Nodding Wake Robin.*2 *erectum* L. *False Wake Robin.*3 *pictum* Ph. *Smiling Wake Robin.*400 *Triosteum* L.1 *persfoliatum* L. *Fever Root, Horse Ginseng.*401 *Triphora* Nutt.1 *pendula* Muhl. *Arethusa pendula* L. *Three. Bird Orchis.*  
*Deerfield, Rare.*402 *Trisetum* Pers.1 *palustre* Torrey. *Aira pallens* Muhl.403 *Triticum* L.§ 1 *aestivum* L. *Wheat.* *Scarcely naturalized.*404 *Tussilago* L.1 *farfara* W. *Colts Foot.*2 *palmata* Ait. *Plum Trees, Sunderland.* *The only known*  
*locality in the United States.*405 *Typha* L.

1 latifolia L. *Cat tail, Reed Mace.*

U.

406 *Ulmus* L.

1 americana L. *Elm.*

2 fulva Mx. *Slippery Elm, Red Elm.*

407 *Uniola* L.

1 spicata L. *N. Haven.*

408 *Uraspermum* Nutt.

1 claytoni Nutt. *Sweet Cicely. Chaerophyllum claytoni Pers.*

*Scandix dulcis Muhl.*

409 *Urtica* L.

1 canadensis L. *Yellow Nettle.*

2 dioica L. *Common Nettle.*

3 pumila W. *Stingless Nettle.*

4 urens L. *Dwarf Stinger.*

410 *Utricularia*.

1 cornuta Mx. *Leafless Bladder Wort. Shutesbury Pond.*

2 gibba Gron. *Pittsfield.*

3 striata Le Conte. *Leverett.*

4 vulgaris L. *Bladder Wort.*

411 *Uvularia* L.

1 perfoliata L. *Bell Wort.*

2 sessilifolia L.

V.

412 *Vaccinium* L.

1 corymbosum L. *Giant or Swamp Whortleberry.*

2 frondosum L. *Blue Whortleberry.*

3 pennsylvanicum Lam. *Black-blue Whortleberry.*

4 resinosum Ait. *Black Whortleberry.*

5 stamineum L. *Squaw Whortleberry.*

6 tenellum Ait. *White Hills.*

7 uliginosum L. *White Hills.*

413 *Vallisneria* L.

1 spiralis L. *Tape Grass. Sunderland; in Connecticut River.*

414 *Veratrum* L.

1 viride Ait. *Indian Poke. White Hellebore.*

415 *Verbascum* L.

1 *blattaria* L. *Sleek Mullein.* Northampton, Eaton.  
 2 *thapsus* L. *Mullein.*

416 *Verbena* L.

1 *angustifolia* Mx. South Hadley.  
 2 *hastata* L. *Vervain.*  
 3 *urticifolia* L. *Nettle leaf Vervain.*

417 *Vernonia* L.

1 *noveboracensis* L. *Flat Top.* West Springfield.

418 *Veronica* L.

1 *anagallis* L. *Brook Pimpernel.*  
 2 *arvensis* L. *Wall Speedwell.*  
 3 *beccabunga* L.  
 4 *officinalis* L. *Speedwell.*  
 5 *peregrina* L. *Purslane Speedwell.*  
 6 *scutellata* L. *Scull-cap Speedwell.*  
 7 *serpyllifolia* L. *Smooth Speedwell.*

419 *Viburnum* L.

1 *acerifolium* L. *Maple Guelder Rose.*  
 2 *dentatum* L. *Arrow Wood.*  
 3 *lantanoides* Mx. *Hobble Bush. Tangle Legs.*  
 4 *lentago* L. *Sheep Berry.*  
 5 *nudum* L.  
 6 *oxycoccus* Ph. *High Cranberry.*  
 7 *pyrifolium* Lam. *Williamstown.*

420 *Vicia* L.

1 *cracca* L. *Deerfield.*  
 2 *sativa* Walt. *Tare.*

421 *Villarsia* Gmelin.

1 *lacunosa* Vent. *Spur Stem. Floating Heart.* Springfield  
 and Plainfield.

422 *Viola* L.

1 *acuta* Big. *Long Meadow.*  
 X 2 *blanda* W. *Smooth Violet.*  
 3 *canadensis* L. *Woods Violet.*  
 4 *cucullata* Ait. *Common Violet.*  
 5 *lanceolata* L. *Spear Violet.*

- 6 obliqua ? Ait.
- 7 ochroleuca Schwein. *Weak Stem Violet.*
- 8 ovata Nutt.
- 9 palmata L. *Hand Violet.*
- 10 pedata L. *Bird Foot Violet.*
- 11 pubescens Ait. *Yellow Violet.*
- 12 rostrata Muhl. *Beaked Violet.* Conway.
- 13 rotundifolia Mx. *Ground Violet.*
- 14 sagittata Ait. *Arrow Violet.*
- 15 tricolor L. *Garden Violet.*
- 16 villosa Nutt.

#### 423 *Vitis L.*

- 1 aestivalis Mx. *Summer Grape.*
- 2 cordifolia Mx. *Frost Grape.*
- 3 labrusca L. *Plum Grape.*

#### X.

#### 424 *Xanthium L.*

- 1 strumarium L. *Clott Burr.*

#### 425 *Xystosteum Tournef.*

- 1 ciliatum Ph. *Fly Honey Suckle.*
- 2 villosum Mx. *solonis Eaton.* Deerfield.

#### 426 *Xyris L.*

- 1 caroliniana Walt. *Yellow Eyed Grass.* Shutesbury.

#### Z.

#### 427 *Zanthoxylum L.*

- 1 fraxineum W. *Prickly Ash.* Sunderland.

#### 428 *Zizania L.*

- 1 clavulosa Mx. *Water Oats.* *Wild Rice.* Northampton Meadows.

#### 429 *Zostera L.*

- 1 marina Vahl. *Grass Wrack.* *Sea Eel Grass.* N. Haven.

PART II.

CRYPTOGAMOUS PLANTS.

Arranged alphabetically under their several Orders.

ORDER I.

FILICES.

430 *Adianthum* L.

✗ 1 *pedatum* L.

431 *Aspidium* Swartz. *Brake, Fern.*

✗ 1 *acrostichoides* Swartz. *Nephrodium acrostichoides* Mx.

2 *angustum* W?

✗ 3 *asplenoides* W.

✗ 4 *cristatum* Sw. vars 1 *callipteris* Ph. 2 *lancastriense* W.

✗ 5 *dilatatum* W.

✗ 6 *fragile* W.

✗ 7 *Goldianum* Hooker. *filix-mas* Ph.

✗ 8 *marginale* Sw. *Nephrodium marginale* Mx.

9 *noveboracense* W.

10 *punctilobum* W.

432 *Asplenium* L. *Brake, Fern.*

✗ 1 *angustifolium* Jacq. *Spleenwort.*

✗ 2 *ebenum* Ait. *trichomanoides* Mx.

✗ 3 *melanocaulon* W. *trichomanes* Mx.

✗ 4 *rhizophyllum* L. *Walking Leaf.*

5 *ruta-muraria* L.

✗ 6 *thelypteroides* W. *acrostichoides* Sw.

433 *Botrychium* Swartz.

1 *fumaroides* W. *Grape Fern.*

2 *simplex* Hitchcock. Conway: also at Plainfield, Ashfield, Windsor, and Cummington. Dr. Porter.

3 *virginicum* W.

434 *Equisetum* L.

1 *arvense* L.

2 *hyemale* L.

3 *sylvaticum* W.

4 *palustre* L.5 *scirpoides* Mx. Plainfield and Cheshire. Dr. Porter.6 *uliginosum* L.435 *Hypopeltis* Torrey.1 *obtusa* Torrey. *Aspidium obtusum* W.436 *Lycopodium* L.1 *annotinum* W.2 *apodium* W.3 *clavatum* W. *Club Moss.*4 *complanatum* W. *Ground Pine.*5 *dendroideum* W. Do.6 *inundatum* W. Do.7 *lucidulum* W. *Moon Fruit Pine.*8 *rupestre* W. *Festoon Pine.*9 *selago* L. White Hills.437 *Lygodium* Sw.

X 1 *palmatum* Swartz. *Climbing Fern.* Abundant half a mile west of the College: also in Granby. "The most elegant and curious fern in the United States; but every where uncommon." Nuttall.

438 *Onoclea* L.1 *obtusiloba* Schk. Probably a variety of the next species.X 2 *sensibilis* L. *Sensitive Fern.*439 *Ophioglossum* L.X 1 *vulgatum* L. *Adder Tongue Fern.*440 *Osmunda* L.1 *alata* Goldie?X 2 *cinnamomea* W. *Flowering Fern.*X 3 *interrupta* Mx.X 4 *spectabilis* W. *regalis* Mx.441 *Polypodium* L.1 *calcareum* Sm.2 *connectile* W. *Phegopteris* L.3 *dryopteris* W.4 *hexagonopterum* W.X 5 *vulgare* L. *Polypod.*

442 *Pteris* L.

✗ 1 *aquilina* L. *Common Brake.*  
 2 *atropurpurea* L. *Rock Brake.*

443 *Struthiopteris* W.

1 *pennsylvanica* W. *Onoclea nodulosa* Schk. *Brake, Fern.*

444 *Woodsia* R. Brown.

✗ 1 *ilvensis* R. Br.

445 *Woodwardia* Smith.

1 *angustifolia* Sm. *Kidney Fern.* *Deerfield.*

## ORDER II.

MUSCI. *Mosses.*446 *Anictangium* Hedw.

1 *filiforme* Hedw. *Hedwigia filiformis* P. de Beauv.

447 *Anomodon* Hooker and Taylor.

1 *viticulosum* H. and T. *Neckera viticulosa* Hedw.

448 *Arrhenopterum* Hed.

1 *heterostichum* Hed. *Bryum arrhenopterum* Dill.

449 *Bartramia* Hedw.

1 *crispa* Sw.?  
 2 *fontana* Hooker.  
 3 *gracilis* Sm. *oederi* Schwaegrichen.  
 4 *pomiformis* Hedw.

450 *Bryum* L.

1 *androgynum* Hedw.  
 2 *argenteum* L.  
 3 *caespiticium* L.  
 4 *cuspidatum* Schreb.  
 5 *nutans* Schreb. *Webera nutans* Hedw.  
 6 *punctatum* Schreb.  
 7 *roseum* Schreb.  
 8 *triquetrum* Turner. *Meesia longiseta* Hed.  
 9 *turbinatum* Sw.

451 *Buxbaumia* L.

1 *aphylla* L.

452 *Catharinea* Ehrh.1 *undulata* Weber and Mohr. *Polytrichum undulatum* Hed.453 *Climacium* Web. and Mohr.1 *americanum* Brid. *Hypnum dendroides* L.454 *Dicranum* Hedw.1 *glaucum* Hedw.2 *heteromallum* Hedw.3 *orthocapon* Hedw.4 *polycarpum* Ehrh.5 *scoparium* Hook. and Tay.  $\beta$  *fuscescens*.6 *strictum* Brid.?7 *undulatum* Ehrh.455 *Diphyscium* Web. and Mohr.1 *foliosum* Web. and Mohr. *Hymenopogon heterophyllum* P. de Beauv.456 *Didymodon* Hedw.1 *purpureum* Hook. and Tay. *Dicranum purpureum* Hedw.457 *Diplocomium* Web. and Mohr.1 *longisetum* Web. and Mohr.458 *Encalypta* Schreb.1 *ciliata* Hedw. East side of the North Sugar Loaf, Deer-field.459 *Fissidens* Hedw.1 *adianthoides* Hedw.2 *taxifolius* ? Hedw.460 *Fontinalis* L.1 *antipyretica* L.461 *Funaria* Hedw.1 *flavicans* Muhl.2 *hygrometrica* Hedw.462 *Grimmia* Hedw.1 *leucophoea* Hook. and Tay.2 *ovata* ?3 *pilifera* Mx.4 *pulvinata* Smith.463 *Gymnostomum* Hedw.1 *prorepens* Hedw. *Orthotrichum clavellatum* Hook. and Tay.

2 pyriforme Hedw.

**464 Hypnum Hedw.**

1 abietinum L.

2 confertum Dicks.

3 Cooleyanum Spreng.

4 crista-castrensis L.

5 cupressiforme Hook.

6 cuspidatum L?

7 denticulatum L.

8 dimorphum Brid.

9 filicinum L.

10 fragile Brid.

11 hians Muhl.

12 imponens Hedw.

13 lutescens Schreb.

14 proliferum.

15 riparium Hook.

16 serpens L.

17 striatum Schreb.

18 tenax? Hedw.

19 Torreyanum Spreng.

20 triquetrum L.

**465 Leskea Spreng.**

1 acuminata Hedw.

2 curvata Voit. Sugar Loaf. Rarely producing fruit in this country, or in Europe.

3 obscura Hedw.

**466 Leucodon Schwaegeichen.**

1 sciroides Schwaege. Deerfield.

**467 Neckera Hedw.**

1 minor Beauv.

2 pennata Hedw.

**468 Orthotrichum Hedw.**

1 affine Hook. and Tay.

2 anomalum Hedw.

3 crispum Hook. and Greville.

4 cupulatum Hoffm?

5 Drummondi Hook. and Grev.

6 *Hutchinsiae* Hook. and Grev.

7 *pumilum* Swartz.

8 *strangulatum*. B. de P.

**469 Polytrichum L.**

1 *commune* L.

2 *formosum* Hedw.

3 *juniperinum* W.

4 *pennsylvanicum* Hedw.

5 *undulatum* Hedw.

**470 Pterogonium Swartz. *Pterigynandrum* Hedw.**

1 *apiculatum* Brid.

2 *hirtellum* Hedw.

3 *juraceum* Hedw.

4 *subcapillatum* Hedw.

5 *trichomitrium* Swartz.

**471 Sphagnum L.**

1 *acutifolium* Hook. and Tay. *capillifolium* Hedw?

2 *obtusifolium* Hook. *cymbifolium* Swartz.

3 *sqarrosum* Web. and Mohr.

**472 Tetraphis Hedw.**

1 *pellucida* Hedw.

**473 Timmia Hedw.**

1 *cucullata* Mx. Williamstown.

**474 Trematodon Rich.**

1 *longicollis* Rich. Deerfield.

**475 Trichostomum Hedw.**

1 *pallidum* Hedw.

**476 Weissia Hedw.**

1 *microdonta*. Hedw.

2 *viridula* Hedw.

ORDER III.

HEPATICAE:

**477 Anthoceros L.**

1 *levis* L. *Wax Liverwort.*

**478 Blasia L.**

1 *pusilla* L.

479 *Jungermannia* L.

- 1 *complanata* L. *Plaited Moss.*
- 2 *nodifolia* Torrey MS. *sertularioides* Mx.
- 3 *pinguis* L.
- 4 *platyphylla* L.
- 5 *porella* Dickson. Ware, Mr. E. Davis.
- 6 *scalaris* Schwein.
- 7 *tamarisci* Martens.
- 8 *tomentella* Ehrh.
- 9 *trilobata*.
- 10 *tridenticulata* Mx.

480 *Marchantia* L.

- 1 *conica* L.
- 2 *crinita* Mx.
- 3 *cruciata*? L. *Staurophora pulchella* W.
- 4 *polymorpha* L. *Brook Liverwort.*
- 5 *triceps* Schw. MS.

481 *Riccia* L.

- 1 *natans* L.

## ORDER IV.

## ALGAE.

482 *Conferva* L. *Frog's Spittle.*

- 1 *fontinalis* L. et plures aliae.

483 *Fucus* L.

- 1 *nodosus* L. N. Haven.
- 2 *vesiculosus* L. Do.

484 *Lemania* Agardh.

- 1 *fluvialis* Agardh. Turner's Falls.

485 *Solenia* Agardh.

- 1 *compressa* Agardh. N. Haven.

486 *Spongia* L.

- 1 *fluvialis* L. Leverett, Chesterfield &c. in ponds. Generally considered an animal; but most probably it is a vegetable. Decandolle places it among the Fungi. *Philos. Plants*, p. 139.

487 *Sphaerococcus* Agardh.

- 1 *confervoides* Agardh. Long Island Sound.

488 *Ulva* L.1 *latissima* L. N. Haven.

The above are only a small part of the plants of this order, that grow upon the coast of N. England.

## ORDER V.

LICHENES. *Lichens.*

*Mostly according to Acharius.*

489 *Alectoria*.1 *jubata*. *Negro Hair.*490 *Arthonia*.1 *punctiformis*.2 *radiata*.491 *Bæomyces* Pers.1 *roseus* Pers.492 *Borrera*.1 *chrysophthalma*. Southington Ct. Dr. Porter.493 *Calicium*.1 *tigillara*. Cummington. Dr. Porter.494 *Cenomyce*.1 *allotropa*.2 *baccillaris* *clavata*.3 *botrytes*.4 *capitata*.5 *coccifera*.6 *endivaefolia*.7 *caespititia*.8 *gonorega*.9 *pyxidata*.10 *rangiferina*.vars. 1 *sylvatica*.2 *alpestris*.3 *minor*.11 *verticillata*.495 *Cetraria*.1 *ciliaris*.2 *glauca*.3 *islandica*. *Iceland Lichen.* White Mountains.

4 lacunosa.

**496 Collema Hoffm.**

1 furvum.

2 juglandii Schw.

3 lacerum.

4 tunaeforme.

**497 Cornicularia Schreb.**

1 fibrillosa.

**498 Endocarpon Hedw.**

1 miniatum.

2 smaragdulum. Plainfield, Dr. Porter.

3 Weberi. Plainfield, Dr. Porter.

**499 Evernia.**

1 prunastri. *Borrera purpuracea* Spreng.

**500 Graphis Adanson.**

1 scripta.

**501 Gyrophora.**

1 deusta.

2 muhlenbergii.

3 papulosa.

4 vellea.

**502 Hysterium Tode.**

1 rufescens Schw.

**503 Leeanora.**

1 albella.

2 atra var. liquatilis.

3 brunnea.

4 caesio-rubella.

5 candellaria.

6 fulva Schw.

7 granulosa.

8 parella.

9 salicina Plainfield, Dr. Porter.

10 sophodes ?.

11 subfuscata.

12 tartarea.

13 tuberculosa.

14 varia.

15 *vitellina*.

**504 Lecidea.**

- 1 *albella* Schw. MS.
- 2 *albo-caerulescens*.
- 3 *carneola*.
- 4 *demissa*.
- 5 *Ehrhartiana*.
- 6 *immersa*.
- 7 *oederi* ?.
- 8 *parasema*.
- 9 *subfusca*.
- 10 *umbrina*.

**505 Lepraria.**

- 1 *sulphurea*.

**506 Nephroma.**

- 1 *resupinata* Spreng.

**507 Pyrenula Spreng.**

- 1 *enteroleuca* Spreng. Plainfield, Dr. Porter.

**508 Parmelia. *Shield Lichen.***

- 1 *aipolia*.
- 2 *aleurites*.
- 3 *caesia*.
- 4 *caperata*.
- 5 *ciliaris* ?.
- 6 *colpodes*.
- 7 *corrugata*.
- 8 *crinita* ?.
- 9 *cristulata*.
- 10 *cycloselis*.
- 11 *herbacea*.
- 12 *olivacea*.
- 13 *parietina*.
- 14 *perforata*.
- 15 *physodes*.
- 16 *physodoides* Schw. MS.
- 17 *placorodia* Muhl.
- 18 *plumbea*.
- 19 *rutilans*. Plainfield, Dr. Porter.
- 20 *saxatilis*.

- 21 scortea.
- 22 stellaris.
- 23 tiliacea.
- 24 ulothrix.
- 25 venusta.

**509 Peltidea.**

- 1 aphosa.
- 2 canina.
- 3 horizontalis.
- 4 scutata. *Target Lichen.*
- 5 venosa.

**510 Porina.**

- 1 fallax.
- 2 papillata.
- 3 pertusa.

**511 Ramalina.**

- 1 fastigiata.
- 2 fraxinea.
- 3 polymorpha.

**512 Stereocaulon Schreb.**

- 1 paschale.

**513 Sticta Schreb.**

- 1 aurata Smith in Rees' Cyc. Western, Dr. Porter.
- 2 pulmonacea.
- 3 scrobiculata.
- 4 sylvatica.

**514 Usnea Schreb.**

- 1 florida Hoffm.
- 2 plicata Hoffm.

**515 Variolaria Pers.**

- 1 corallina. Plainfield, Dr. Porter.
- 2 velata.

**516 Verrucaria.**

- 1 gemmata.

OTDER IV,

FUNGI.

**517 Aecidium Pers.**

1 *Helianthi mollis?* Schw.

2 *Solidaginis* Schw.

518 *Agaricus* L. *Mushroom. Toad Stool. Agaric.*

1 *alneus* L.

2 *campestris* L.

3 *coriaceus* Bull.

4 *disseminatus* Pers.

5 *salignus* Pers.

6 *trabeus?* Pers.

7 *velutipes* Curtis.

8 *Trib. Gomphus* Fries, nov. Sp.? Torrey: et plures indeterminatae.

519 *Amanita* Pers.

1 *cesareus* Schaeff.

2 *livida?* Pers.

520 *Arcyria* Pers.

1 *punicea* Pers.

521 *Boletus* L.

1 *adustus* W. *Polyporus adustus* Fries.

2 *alneus* Pers. *P. cuticularis* F.

3 *badius* Pers. *P. varius* F.

4 *betulinus* Bull. *P. betulinns* F.

5 *bovinus* L.

6 *brumalis* Pers. *P. brumalis* F.

7 *carbonarius* Schw. MS.

8 *cinnabarinus* Jacq. *P. cinnabarinus* F.

9 *citrinus* Planer. *P. sulphureus* F.

10 *conchifer* Schw.

11 *delicatulus* Schw. MS.

12 *ferrugineus* Schaeff.

13 *igniarius* L.

14 *isabellinus* Schw. *P. isabellinus* F.

15 *leptocephalus* Jacq. *P. leptocephalus* F.

16 *lucidus* Curtis. *P. lucidus* F.

17 *mucidus* Pers. *P. mucidus* F.

18 *nigro-marginatus* Schw.

19 *nitidus* Pers. *P. nitidus* F.

20 *perennis* L. *P. pcrennis* F.

21 *polycephalus* Pers. *P. umbellatus* F.

- 22 ramosus Bull. *P. imbricatus* F.
- 23 reticulatus Pers. *P. reticulatus* F.
- 24 salicinus Pers. *P. salicinus* F.
- 25 squamosus Hudson. *P. squamosus* F.
- 26 tulipiferae Schw.
- 27 varins Pers. *P. varius* F.
- 28 velutinus Pers. *P. velutinus* F.
- 29 versicolor L. *P. versicolor* F.

**522 Bovista Dillenius.**

- 1 nigrescens ? Pers. *Puff Ball.*

**523 Cantharellus Adanson.**

- 2 pusillus Fries.
- 2 undulatus ? Fries.

**524 Clavaria Vaillant.**

- 1 aurantiaca Pers.
- 2 coralloides L.
- 3 helveloides ? Withering.
- 4 pistillaris L.
- 5 rufa ? Muhl.
- 6 tenuis Sowerby.

**525 Daedalea Pers.**

- 1 albida Schw. *Sistotrema violaceum* Pers.
- 2 cinerea Fries.
- 3 confragosa Bolton.
- 4 latissima Fries.
- 5 quercina L.
- 6 sepiaria Wulsen.

**526 Fistulina Bull.**

- 1 hepatica Fries. *Boletus hepaticus* Pers. Plainfield. Porter.

**527 Fuligo Pers.**

- 1 rufa ? Pers.

**528 Geastrum Pers.**

- 1 hygrometricum Pers.
- 2 rufescens Schaeff.

**529 Geoglossum Pers.**

- 1 hirsutum Pers.

**530 Glonium Muhl.**

- 1 stellatum Muhl. Fries.

531 *Gyropodium* Schw. MS.

1 *coccineum* Schw. Deerfield, Whately, and Mt. Holyoke  
 Described by Schweinitz, with a figure, in his "Synopsis  
 Fungorum Carolinæ" &c. under the name of *Mitremyces lutescens*—p. 34. See also a figure and description  
 of the physiology of this remarkable fungus in Am. Jour.  
 Science, Vol. 9, p. 56.

532 *Helotium* Pers.

1 *aciculare* ? Pers. *Peziza Helot. acic.* Fries.

533 *Helvella* L.

1 *albida* Bull.  
 2 *esculenta* Pers.  
 3 *mitra* ? L.

534 *Himantia* Pers.

1 *candida* Pers.  
 2 *domestica* Pers.

535 *Hydnus* L.

1 *coralloides* Scop. Conway and Ashfield.  
 2 *coriaceum* Torrey MS.  
 3 *cyathiforme* Bull.  
 4 *gelatinosum* Scop.  
 5 *imbricatum* L.  
 6 *occarium* Batsch.  
 7 *repandum* L.  
 8 *tomentosum* ? L.

536 *Hysterium* Tode.

1 *pulicare* Pers.  
 2 *rufescens* Schw.

537 *Leotia* Hill.

1 *chlorocephala* Schw.

538 *Licea* Schrad.

1 *variabilis* Schrad.

539 *Lycogala* Pers.

1 *miniata* Pers.

540 *Lycoperdon*. L.

1 *bovista* Pers. non Bull.  
 2 *excipuliforme* Scop.

3 molle ? Pers.

4 pratense Pers.

5 pyriforme ? W.

**541 Merisma Pers.**

1 cristatum Pers. *Thelephora Meris. crist. Fries.*

**542 Merulius Hall.**

1 agaricoides Schw. MS.

2 cantharellus Pers. *Cantharellus cibarius Fries.*

3 cornucopioides With. *Cantharellus corn. Fries.*

4 elegans Pers.

5 tremellosus Schrad.

**543 Morchella Dill.**

1 esculenta Pers. *Morel.*

2 patula ? Fries.

**544 Mucor L.**

1 herbariorum Wigg.

2 mucido Pers.

**545 Naemaspore Spreng.**

1 crocea Pers.

**546 Nidularia Bull.**

1 campanulata Sibth. *Cyathus olla Pers.*

2 striata Bull. *Cyathus striatus Hoffm.*

**547 Peziza L.**

1 acetabulum L.

2 auriformis Schw.

3 brunnea Fries.

4 citrina Batsch.

5 clypeata ? Schw.

6 hemispherica Wigg.

7 inquinans Pers.

8 lenticularis Bull.

9 mitrula Schw.

10 nigrella Pers.

11 scutellata L.

12 umbrina Pers.

**548 Phallus Mx.**

1 impudicus L.

**549 Physarum Pers.**

1 *cinereum* ? Pers.

**550 Polyporus Michelii.**

1 *abietinus* Fries. *Sistotrema violaceum* Pers.

2 *croceus* Fries.

**551 Racodium Pers.**

1 *xylostroma* Pers. *Xylostroma giganteum* Tode. *Oak Leather, Punk.*

**552 Rhizomorpha Pers.**

1 *subcorticalis* Michelii.

**553 Scleroderma Pers.**

1 *cervinum* Pers.

**554 Sclerotium Tode.**

1 *radiciforme* Schw. MS. A remarkable subterranean species. Conway.

**555 Sistotrema Pers.**

1 *cinereum* Pers.

**556 Spermoedia Fries.**

*Clavus* Fries. *Sclerotium Clavus Decand.* *Ergot.*

**557 Sphaeria Hall.**

1 *bulbosa* Pers.

2 *concentrica* Tode.

3 *curvirostris* Schw. MS. *non curvirostra* Sowerby.

4 *decolorans* Pers.

5 *fragiformis* ? Pers.

6 *gyrosa* Schw.

7 *lata* Pers.

8 *militaris* L.

9 *nivea* Hoffm.

10 *polymorpha* Pers.

11 *rubiginosa* Pers.

12 *scoparia* Schw.

**558 Stemonitis Gleditsch.**

1 *fasciculata* Pers.

**559 Thelephora Ehrhart.**

1 *aurantia* Ehrh.

2 *caryophyllaea* Schaeff.

3 *crispa* Pers.

4 *fasciata* Schw.

5 *ferruginea* Pers. No. 9.  
 6 *flabellaris* Fries.  
 7 *frustulata* Pers.  
 8 *gigantea* Fries.  
 9 *hirsuta* W.  
 10 *hydnoides* Pers.  
 11 *incarnata* Pers.  
 12 *laevis* Pers.  
 13 *multipartita* Schw. MS.  
 14 *palmata* Fries.  
 15 *polygonia* Pers.  
 16 *purpurea* Pers.  
 17 *quercina* Pers.  
 18 *rubiginosa* Schrad.  
 19 *rugosa* Pers.  
 20 *spadicea* ? Pers.  
 21 *terrestris* Ehrh.  
 22 *verrucosa* Schw. MS.

**560** *Tremella* Dill.  
 1 *mesenterica* Retz.

**561** *Trichia* Haller.  
 1 *varia* Pers.

**562** *Tubercularia* Tode.  
 1 *castaneae* Pers.  
 2 *pezizoidea* Schw. MS.  
 3 *rosea* Pers.  
 4 *vulgaris* Tode.

**563** *Tubulina* Pers.  
 1 *fallax* ? Pers.  
 2 *fragiformis* Pers.

**564** *Uredo* Pers.  
 1 *caricis* Pers. On *Carex varia*.  
 2 *linearis* Lamb. On the leaves of oats, rye, wheat, &c.  
 3 *zeae* Schw. The *Smut*, on Indian Corn.

**565** *Xyloma* Pers.  
 1 *acerinum* Pers.  
 2 *andromedae* Pers.





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